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09/671,856

09/27/2000

Naoaki Komiya

YKI-0050

6714

7590

08/23/2004

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EXAMINER

NGUYEN, KIMNHUNG T

ART UNIT

PAPER NUMBER

2674

11

DATE MAILED: 08/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/671,856

Applicant(s)

KOMIYA ET AL.

Examiner

Kimnhung Nguyen

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2674

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 25 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 2 and 3 is/are allowed.
- 6) ☒ Claim(s) 1 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

This application has been examined. The claims 1-3 are pending. The examination results are as following.

#### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Sato (US 5,235,253).

Sato disclose in figure 2 an active matrix type electroluminescence display device comprising a plurality of display pixels arranged in a matrix of rows and columns, each of the display pixels including an electroluminescence element CEL to which one end of a capacitance for maintaining an inherent voltage corresponding (see ground level) to a display signal is connected; and a capacitance line extending each row and connected to and shared by the other end of the capacitance of the display pixels; wherein the constant voltage is supplied from end of the capacitance line (see ground level having an inherent a constant voltage).

#### ***Allowable Subject Matter***

3. Claims 2-3 are allowed.

The following is an examiner's statement of reasons for allowance: The present invention is directed to an active matrix type electroluminescence display device

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comprising a plurality pixels, each including an electroluminescence element arranged in a matrix of rows and column, a first thin film transistor in which a display signal is applied to the drain and which is switched on and off in response to select signal, a capacitance having one end connected to the source of the first thin film transistor and for maintaining a voltage corresponding to the display signal and a second thin film transistor for driving the electroluminescence element based on the display signal; and a capacitance lines extending each row and connected to and shared by the other end of the capacitance of the display pixels; and a second capacitance line connected to first ends of said plurality of first capacitance lines. The closest prior art (5,235,253) discloses a similar system an active matrix type electroluminescence, he also discloses a first thin film transistor in which a display signal is applied to the drain and which is switched on and off in response to select signal, a capacitance having one end connected to the source of the first thin film transistor and for maintaining a voltage corresponding to the display signal and a second thin film transistor for driving the electroluminescence element based on the display signal; and a capacitance lines extending each row and connected to and shared by the other end of the capacitance of the display pixels; and a second capacitance line connected to first ends of said plurality of first capacitance lines. However, he fail to teach a second capacitance line connected to first ends of said plurality of first capacitance lines, wherein said second and third capacitance are connected to a common constant voltage source, and said constant voltage is supplied to said first ends and said second ends of plurality of first capacitance lines through said second and third capacitance lines; a plurality of second capacitance lines connected to

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and shared by both ends of plurality of first capacitance lines; wherein a constant voltage is supplied to said second capacitance lines as claims 2-3.

***Response To Arguments***

4. Applicant's argument filed on 2-25-04 has been fully considered but they are not persuasive in view of new ground rejection.

***Correspondence***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimnhung Nguyen whose telephone number (703) 308-0425.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **RICHARD A HJERPE** can be reached on (703) 305-4709.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D. C. 20231

**Or faxed to:**


**(703) 872-9314 (for Technology Center 2600 only).**

Hand-delivery response should be brought to: Crystal Park II, 2121 Crystal Drive, Arlington, VA Sixth Floor (Receptionist).

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Kimnhung Nguyen  
August 9, 2004

  
RICHARD HJERPE 8/20/04  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600